



# SANDVIK UD211 WHEELED DUAL-STAGE UNIT

## TECHNICAL SPECIFICATION

The UD211 is a complete two stage processing unit fully assembled on a single trailer frame. Featuring the SW 0843H vibrating feeder, highly reliable and productive CJ409 jaw for primary crushing, CH420 cone for secondary crushing, a looping belt conveyor for excellent feed to the SB1542 vibrating screen, it offers a highly versatile, high-end capacity plant capable of processing 1-4 products at a low cost-per-tonne operation.

### KEY BENEFITS

<b>Reliability</b>	<ul style="list-style-type: none"> <li>- Market leading CJ409 and CH420 cone for reliability and high performance</li> <li>- All onboard components are electrically driven giving reliability and minimal maintenance</li> <li>- Heavy duty chassis beams, strength analysis on structural parts and quality components for durability</li> <li>- Capable of operating in the most hostile environments</li> </ul>
<b>Productivity</b>	<ul style="list-style-type: none"> <li>- Large feed opening with high capacity reduction</li> <li>- Jaw crusher possesses an ideal nip angle for smooth material flow, high reduction efficiency and single-toggle operation with a deep crushing chamber, it has an easy setting adjustment for simple and efficient operation</li> <li>- Cone Crusher Unibody mainframe ensures optimal strength and less maintenance</li> <li>- Hydraulic cone Hydroset™ setting (CSS) and overload protection for maximum uptime</li> <li>- Constant Liner Performance (CLP) crushing chambers permits constant feed acceptance capability, increased output, high quality products and increase liner life</li> <li>- Grizzly feeder with adjustable openings and by-pass chute for greater flexibility. It has a wire cloth screening element beneath the grizzly to remove natural fines</li> <li>- Choice of several different settings for a wide range of applications, enabling fine tuning to your specification and improved capacity</li> <li>- Frequency inverter for feeder speed control in order to provide step less regulation of the feed rate</li> <li>- Multi slope linear motion vibrating screen for high capacity and accuracy</li> <li>- Simple and efficient, designed for trouble free operation</li> </ul>
<b>Cost of ownership</b>	<ul style="list-style-type: none"> <li>- Low cost per tonne due to electric operation</li> <li>- Quick to set-up and easy to maintain, resulting in more uptime and higher productivity</li> </ul>
<b>Safety</b>	<ul style="list-style-type: none"> <li>- Removable electrical control panel can be located on the ground during operation</li> <li>- Crusher mounted safety guards and multiple emergency stop buttons for safe operation</li> <li>- Maintenance platforms with handrails and access ladders provide excellent access for service and maintenance</li> </ul>
<b>Sustainability</b>	<ul style="list-style-type: none"> <li>- Low emissions due to electrical operation, reducing CO<sub>2</sub> emissions</li> <li>- Quality components ensure longer lifetime and support optimized service and maintenance.</li> </ul>





KEY SPECIFICATIONS	UD211
<b>Feed station</b>	
Type	SW0843H Vibrating feeder
Grizzly length	1.2 m / 4'
Grizzly Gap	70, 90 or 105 mm 2.7", 3.5", 4.1"
Drive	Electric motors 2 x 3 kW
Hopper	12 m <sup>3</sup> / 424 ft <sup>3</sup>
<b>Screen</b>	
Type	Sandvik SB1542 linear motion
Size	1500 mm x 3600 mm / 5' x 12.1'
Decks	3 deck
Drive	Electric motor 2 x 7,5 kW
<b>Crusher</b>	
Type	Sandvik CJ409 jaw crusher
Feed opening	895 mm x 660 mm / 35" x 26"
CSS range	40 - 180 mm / 1 5/8 - 7" *
Adj type	Through shims
Drive	Electric motor 75 kW, 6 pole
Secondary	Sandvik CH420 cone
CSS range	19 - 32 mm - 1" - 4.72" *
Adj type	Hydraulic
Drive	Electric motor 90 kW, 4 pole
ASRI	Optional
<b>Loop conveyor</b>	
Belt width	900 mm / 35"
Length	15 m / 49' 2"
Drive	Electric motor 11 kW

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<b>Power system</b>	
All electrics are intended for connection to a mains supply	
Total power	203.6 kW
Supply voltage	415-50 Hz / 440V-60 Hz / 3-phase AC
Control voltage	220 V-50/60 Hz / 3-phase AC
<b>Running gear</b>	
2" / 3 1/2" King-pin, triple-axle bogie with air-brakes, ABS and running lights. Tyres 10" x 20" - 16 ply	
<b>Transport dimensions</b>	
Height	4.00 m / 13.12'
Width	2.50 m / 8.20'
Length	16.53 m / 54.23'
Weight	52,000 kg / 114,640 lbs
<b>Operating dimensions</b>	
Height	5.06 m / 16.60'
Width	3.95 m / 12.95'
Length	16.61 m / 54.49'
<b>Performance</b>	
Max feed size	
CJ409	600 mm / 23.6"
CH420	130 mm / 5.1"
Capacity (up to)	150 mtp/h / 165 stph *

Note. All weights and dimensions are for standard units only

## STANDARD SPECIFICATION

Self contained electrical switchgear cabinet  
 Maintenance platform with handrails and access ladder  
 Safety guards to crusher drives  
 Emergency stop buttons  
 2" / 3 1/2" King-pin, triple-axle bogie with air-brakes, ABS and running lights. Tyres 10" x 20" - 16 ply  
 Trailer suitable for 24 V supply

For option availability please speak with your local Sandvik representative

\* Application specific. Please contact a Sandvik representative for clarification on specifications and options  
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